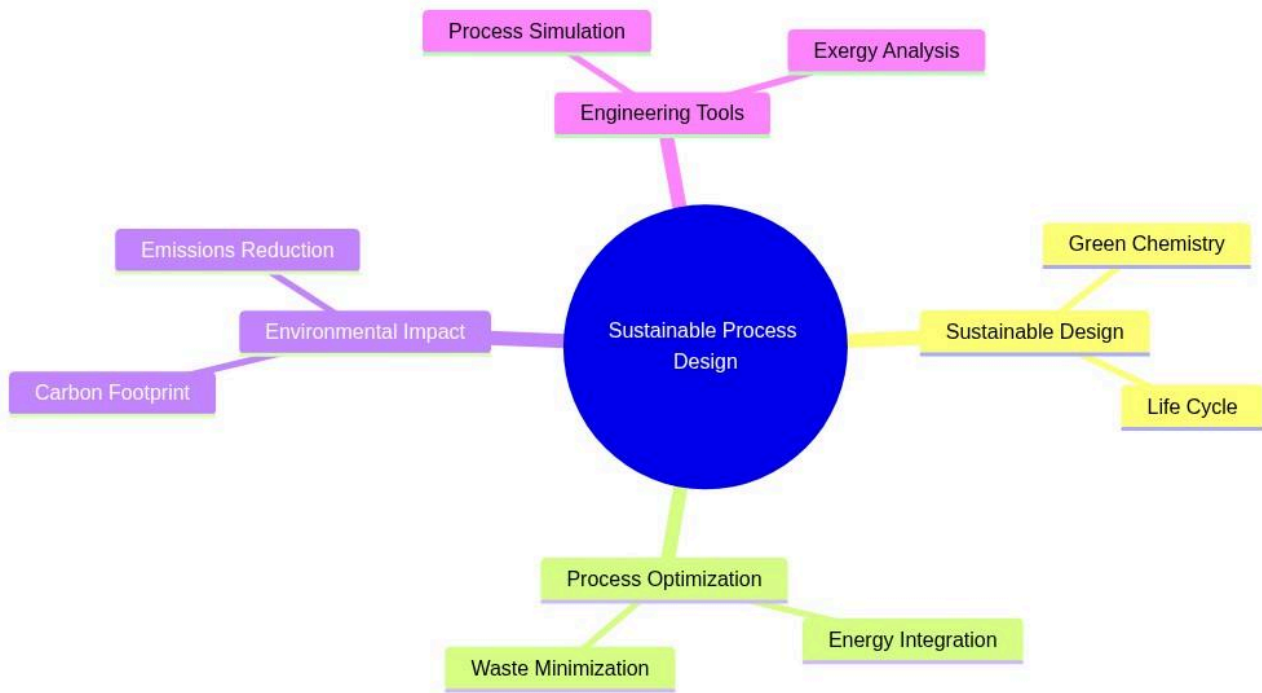


Professional Certificate in Sustainable Chemical Engineering

Sustainable Process Design



mindmap

```

root((Sustainable Process Design))
  Sustainable Design
    Green Chemistry
    Life Cycle
  Process Optimization
    Energy Integration
    Waste Minimization
  Environmental Impact
    Carbon Footprint
    Emissions Reduction
  Engineering Tools
    Process Simulation
    Exergy Analysis
  
```